Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work:Construction Of RCC Drain in 19th,21st Corss roads At Ravindra Nagara in Ward no.13 Shettyhalli sub Division

								Est .Cost Rs.40.00 Lakhs	
Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. **Earthwork excavation by manual means in ordinary soil** invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **Page No. 142/ Item No. 19.1/ PWD SR 2016-17**								
	19th Cross	**Cum**	2	97.00	1.00	1.05	203.70		
	21st Cross		2	97.00	1.00	1.05	203.70		
	4th Main L/S		2	57.00	1.00	1.05	119.70	175.96	92749.00
							527.10	172.57	90961.65
2	Removing B S Slab Drain And Stacking Page No25 Item No 5.32 PWD SR 2016-17								
	19th Cross	**Sqm**	2	97.00	1.35		261.90		
	21st Cross		2	97.00	1.35		261.90		
	4th Main L/S		2	57.00	1.35		153.90		
							677.70	65.72	44538.44
3	KSRB 4-1.3 : **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	19th Cross	**Cum**	2	97.00	1.00	0.15	29.10		
	21st Cross		2	97.00	1.00	0.15	29.10		
	4th Main L/S		2	57.00	1.00	0.15	17.10		
							75.30		
	From Using Available coarse aggregates								
a	**Available CA**			**50.83**			**59.80**	**4443.52**	**265709.43**

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b	Remaining Balance Qty						15.50	5159.92	79979.96
4	**Proveding and Laying plain reinforced cement concrete for side drains** using m20 nominul mix concrete with OPC cement 300kgs With 20mm and down size ganite metal course aggregates @0.69cum and fine aggregates @0.43cum machine mixed,well compacted for walls and bottom **including centring,shuttring,cost of materails,** HOM of machinaries. Complete Excluding cost of steel asper MORTH Specification no1500,1700,2200. Wall And Bottom thickness 15cm KSSRB **Page No 285 Item No 37.59 and 37.59.2**								
	Drain Rafi Concrete	**Cum**	2	97.00	0.90	0.15	26.19		
			2	97.00	0.90	0.15	26.19		
			2	57.00	0.90	0.15	15.39		
	Side Wall		4	97.00	0.15	0.75	43.65		
			4	97.00	0.15	0.75	43.65		
			4	57.00	0.15	0.75	25.65		
							180.72	**11032.48**	**1993789.73**
5	KSRB 4.9.2: **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. **Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**								
	For RCC Drian	Tonnes		**180.72**	x	60kgs	**10.84**		
						Say	**10.84**	**64243.42**	**696604.25**
6	**Providing & laying reinforeced cement precast slabs** of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	2	97.00		0.75	145.50		
			2	97.00		0.75	145.50		
			2	57.00		0.75	85.50	82.50	
				55.00			376.50	1680.00	632520.00
							373.50	1698.00	634203.50

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								Sub Total	
7	Add Tender Primium @ 5 %								
8	Miscellaneous and unforeseen charges								
								L.S	
								Grand Total	
	(Rupees Fourty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.
5 This work is not included in any other estimate.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/AS/159/17-18 ದಿನಾಂಕ: 26.9.17
Rs. 40.00 Lakhs (Forty Lakhs only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ನಂ CE/TS/209/17-18 ದಿನಾಂಕ: 23.09.17
Rs 40.00 Lakhs only

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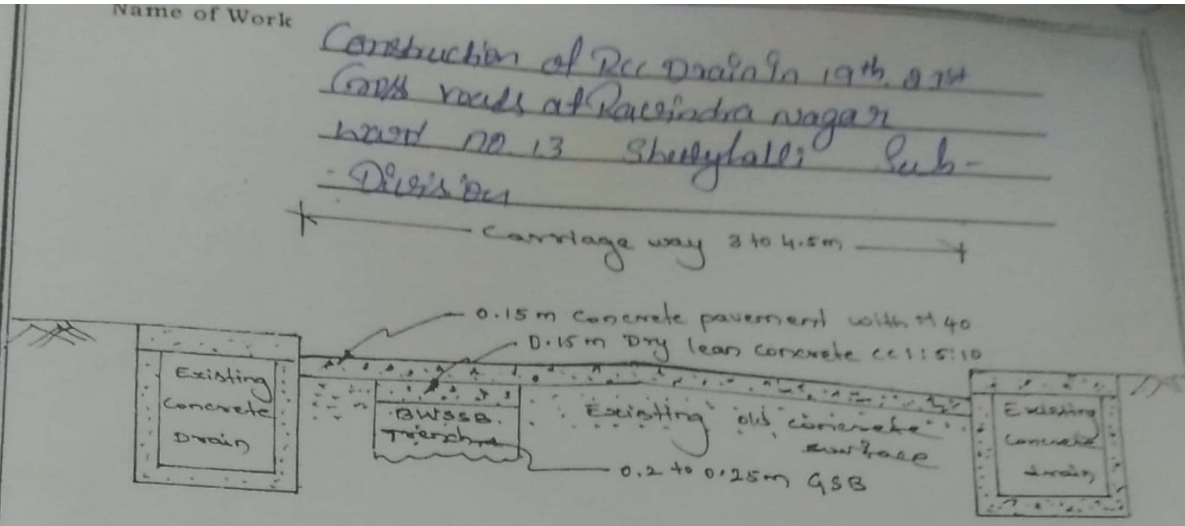
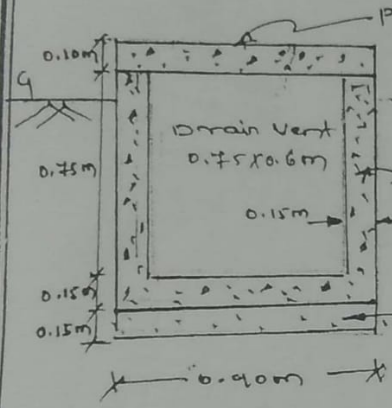
Name of Work

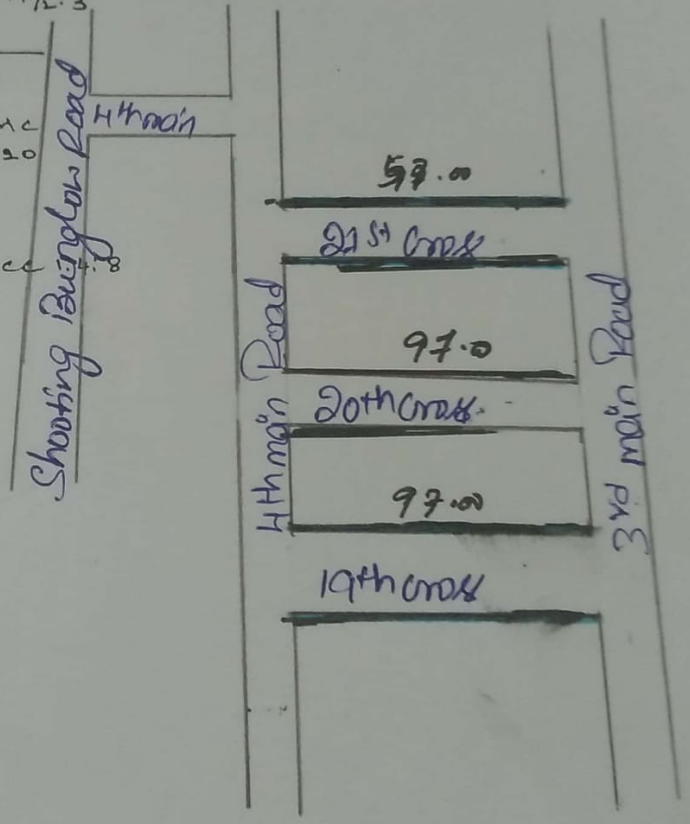
Construction of Rcc Drain in 19th, 21st Cross roads at Raghavendra nagar ward no 13 Shettyhalli Sub-Division


carriage way 3 to 4.5m
0.15m Concrete pavement with M40
0.15m Dry lean concrete CC 1:5:10
Existing concrete Drain
BWSSB Pipeline
Existing old concrete surface
0.2 to 0.25m GSB
Existing concrete drain

Typical c/s of cc Road Surface



c/s of RCC Drain



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Rcc Drain

Asst.Engineer
Ward No.13

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

Asst.Executive Engineer
Shettyhalli Sub Division, Dasarahalli Zone
BBMP Bangalore.

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